Application No.	Applicant(s)
09/844,670	THEKKATH ET AL.
Examiner	Art Unit
Anil Khatri	2124
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itted. Note the attached EX es reason(s) why the oath o	AMINER'S AMENDMENT or NOTICE OF r declaration is deficient.
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SIT OF BIOLOGICAL MAT FOR THE DEPOSIT OF BIO	ERIAL must be submitted. Note the OLOGICAL MATERIAL.
6. ☐ Interview S Paper No. 8), 7. ☐ Examiner's	oformal Patent Application (PTO-152) ummary (PTO-413), /Mail Date Amendment/Comment Statement of Reasons for Allowance
	D9/844,670 Examiner Anil Khatri Pars on the cover sheet with (OR REMAINS) CLOSED in or other appropriate comming GHTS. This application is and MPEP 1308. Examiner. Inder 35 U.S.C. § 119(a)-(d) Inder 35 U.S.C. §

Allowable Subject Matter

Claims 1-23 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art taken alone or in combination fails to disclose the claimed invention of onchip debugging, and more specifically to program counter (PC) and data tracing in embedded
processor systems. Specifically, claims 1, 7, 8, 10, 11 and 20 are directed to trace data order
determination element configured to generate a trace date order signal when trace data become
available for cache miss, trace data mapped to current ranking of the relative age and trace data
order signal is transmits with trace data for cache miss to indicate which previously trace
instructions generated the trace data. Therefore, the claimed invention increases control and
flexibility in the generation of tracing data is particularly important for the embedded processor
industry.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anil Khatri whose telephone number is 571-272-3725. The examiner can normally be reached on M-F 8:30-5:00 PM.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-3725.

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ANIL KHATRI PRIMARY EXAMINER